

-	9	(horizontal adj drilling) and 405/184.ccls.	USPAT; DERWENT	2002/01/14 11:55
-	1100	pipe adj handling	USPAT; DERWENT	2002/01/14 11:55
-	28	pipe adj handling adj assembly	USPAT; DERWENT	2002/01/14 11:56
-	689859	sensor	USPAT; DERWENT	2002/01/14 11:56
-	4	405/184.ccls. and (pipe adj handling)	USPAT; DERWENT	2002/01/14 11:59
-	23	sensor and 405/184.ccls.	USPAT; DERWENT	2002/01/14 11:59
-	452	175/45.ccls.	USPAT; DERWENT	2002/01/15 12:46
-	651	175/61.ccls.	USPAT; DERWENT	2002/01/15 12:46
-	328	175/45.ccls. not (175/45.ccls. and 175/61.ccls.)	USPAT; DERWENT	2002/01/15 12:46
-	527	175/61.ccls. not (175/45.ccls. and 175/61.ccls.)	USPAT; DERWENT	2002/01/15 12:47
-	124	175/45.ccls. and 175/61.ccls.	USPAT; DERWENT	2002/01/15 12:52
-	577	tracking adj sensor	USPAT; DERWENT	2002/01/15 12:52
-	0	175/45.ccls. and (tracking adj sensor)	USPAT; DERWENT	2002/01/15 12:52
-	0	175/61.ccls. and (tracking adj sensor)	USPAT; DERWENT	2002/01/15 12:52
-	690116	sensor	USPAT; DERWENT	2002/01/15 12:53
-	140	(175/45.ccls. not (175/45.ccls. and 175/61.ccls.)) and sensor	USPAT; DERWENT	2002/01/15 12:53
-	66	(175/61.ccls. not (175/45.ccls. and 175/61.ccls.)) and sensor	USPAT; DERWENT	2002/01/15 12:53
-	66	(175/45.ccls. and 175/61.ccls.) and sensor	USPAT; DERWENT	2002/01/15 12:54
-	132	175/61.ccls. and sensor	USPAT; DERWENT	2002/01/15 12:57
-	71120	guidance	USPAT; DERWENT	2002/01/15 12:57
-	68	175/45.ccls. and guidance	USPAT; DERWENT	2002/01/15 12:57
-	87	175/61.ccls. and guidance	USPAT; DERWENT	2002/01/15 12:57
-	52486	pressure adj sensor	USPAT; DERWENT	2002/01/15 12:58
-	24	175/45.ccls. and (pressure adj sensor)	USPAT; DERWENT	2002/01/15 12:58
-	96352	tracking	USPAT; DERWENT	2002/01/15 12:58
-	40	175/45.ccls. and tracking	USPAT; DERWENT	2002/01/15 12:59
-	11884	payne	USPAT; DERWENT	2002/01/15 12:59
-	0	175/61.ccls. and payne	USPAT; DERWENT	2002/01/15 12:59
-	2	175/45.ccls. and payne	USPAT; DERWENT	2002/01/15 12:59
-	44	175/61.ccls. and tracking	USPAT; DERWENT	2002/01/15 13:09
-	14	175/61.ccls. and (pressure adj sensor)	USPAT; DERWENT	2002/01/15 13:15
-	0	de029913401	USPAT; DERWENT	2002/01/16 09:52
-	0	210/266.ccls,	USPAT; DERWENT	2002/01/16 09:52
-	789	210/266.ccls.	USPAT; DERWENT	2002/01/16 09:53
-	201	back adj flow adj valve	USPAT; DERWENT	2002/01/16 09:55
-	0	210/266.ccls. and (back adj flow adj valve)	USPAT; DERWENT	2002/01/16 09:55

-	2173	flush adj valve	USPAT;	2002/01/16 09:56
-	300	flush adj port	DERWENT	2002/01/16 09:56
-	0	210/266.ccls. and (flush adj valve)	USPAT;	2002/01/16 09:56
-	1	210/266.ccls. and (flush adj port)	DERWENT	2002/01/16 09:58
-	806	storm adj water	USPAT;	2002/01/16 09:58
-	16912	filter adj media	DERWENT	2002/01/16 09:58
-	49	(storm adj water) and (filter adj media)	USPAT;	2002/01/16 10:03
-	625683	outlet	DERWENT	2002/01/16 10:04
-	30	((storm adj water) and (filter adj media))	USPAT;	2002/01/16 11:55
-	3091	and outlet	DERWENT	2002/01/16 12:16
-	0	405/36-62.ccls.	USPAT;	2002/01/16 11:56
-	0	(outlet adj above adj inlet) and	DERWENT	2002/01/16 12:21
-	789	405/36-62.ccls.	USPAT;	2002/01/16 11:57
-	0	210/266.ccls.	DERWENT	2002/01/16 11:58
-	87	(outlet adj above adj inlet) and (upflow adj	USPAT;	2002/01/16 11:58
-	0	filter)	DERWENT	2002/01/16 11:59
-	11666	storm adjwater	USPAT;	2002/01/16 11:59
-	806	storm adj water	DERWENT	2002/01/16 12:04
-	5	(upflow adj filter) and (storm adj water)	USPAT;	2002/01/16 12:16
-	64	outlet adj above adj inlet	DERWENT	2002/01/16 12:17
-	590	405/36.ccls.	USPAT;	2002/01/16 12:17
-	745277	filter	DERWENT	2002/01/16 12:18
-	16912	filter adj media	USPAT;	2002/01/16 12:27
-	11	405/36.ccls. and (filter adj media)	DERWENT	2002/01/16 12:42
-	6	210/266.ccls. and (storm adj water)	USPAT;	2002/01/16 12:42
-	61	405/41.ccls.	DERWENT	2002/01/17 09:30
-	274	(storm adj water) and filter	USPAT;	2002/01/17 09:37
-	18	(storm adj water) adj filter	DERWENT	2002/01/17 09:37
-	430	404/25.ccls.	USPAT;	2002/01/17 09:37
-	745277	filter	DERWENT	2002/01/17 09:39
-	61	405/41.ccls.	USPAT;	2002/01/17 09:39
-	8	filter and 405/41.ccls.	DERWENT	2002/01/17 09:42
-	264	404/4.ccls.	USPAT;	2002/01/18 11:48
-	37	filter and 404/4.ccls.	DERWENT	2002/01/18 11:48
-	2	("6106707").PN.	USPAT;	
-	0	14/69.9.ccls.	DERWENT	
-	413	14/69.5.ccls.	USPAT;	
-			DERWENT	

-	29040	pneumatic adj cylinder	USPAT;	2002/01/18 11:48
-	5	14/69.5.ccls. and (pneumatic adj cylinder)	DERWENT	
-	4	((("5322391") or ("5350254"))).PN.	USPAT;	2002/01/22 12:44
-	1	drill adj string adj lubrication	DERWENT	
-	4	((("4834193") or ("4907658"))).PN.	USPAT;	2002/01/22 13:39
-	2	("4837158").PN.	DERWENT	
-	2	("4837518").PN.	USPAT;	2002/01/22 13:47
-	36618	engine adj speed	DERWENT	
-	452	175/45.ccls.	USPAT;	2002/01/22 13:51
-	652	175/61.ccls.	DERWENT	
-	0	(engine adj speed) and 175/45.ccls.	USPAT;	2002/01/22 13:52
-	0	(engine adj speed) and 175/61.ccls.	DERWENT	
-	29477	motor adj speed	USPAT;	2002/01/22 13:56
-	11	175/45.ccls. and (motor adj speed)	DERWENT	
-	12	175/61.ccls. and (motor adj speed)	USPAT;	2002/01/22 13:57
-	2	("4710708").PN.	DERWENT	
-	2423	mwd	USPAT;	2002/01/22 13:58
-	54	175/41.ccls.	DERWENT	
-	652	175/61.ccls.	USPAT;	2002/01/22 13:58
-	452	175/45.ccls.	DERWENT	
-	75	mwd and 175/45.ccls.	USPAT;	2002/01/22 13:57
-	74	mwd and 175/61.ccls.	DERWENT	
-	2	("5048793").PN.	USPAT;	2002/01/22 13:57
-	74	sesnor	DERWENT	
-	0	((("5048793").PN.) and sesnor	USPAT;	2002/01/22 13:58
-	369597	receiver	DERWENT	
-	0	((("5048793").PN.) and receiver	USPAT;	2002/01/22 13:58
-	8	5048793.URPN.	DERWENT	
-	149	pipe adj gripper	USPAT;	2002/01/23 09:32
-	1100	pipe adj handling	DERWENT	
-	0	175/61.ccls. and (pipe adj gripper)	USPAT;	2002/01/23 09:32
-	0	175/61.ccls. and (pipe adj handling)	DERWENT	
-	0	175/45.ccls. and (pipe adj handling)	USPAT;	2002/01/23 09:32
-	0	175/61.ccls. and (pipe adj handling)	DERWENT	
-	691575	sensor	USPAT;	2002/01/23 09:32
-	0	((("5048793").PN.) and sensor	DERWENT	
-			USPAT;	2002/01/23 09:32

-	77	(pipe adj handling) and sensor	USPAT;	2002/01/23 10:45
-	841	horizontal adj drilling	DERWENT	2002/01/23 10:46
-	1	((pipe adj handling) and sensor) and	USPAT;	2002/01/23 12:36
-	4	(horizontal adj drilling)	DERWENT	2002/01/23 12:58
-	4	((("4844516") or ("5332049"))).PN.	USPAT;	2002/01/23 12:59
-	4	((("5497707") or ("5601025"))).PN.	USPAT;	2002/01/23 12:59
-	126	pipe adj jack	DERWENT	2002/01/23 12:59
-	52574	pressure adj sensor	USPAT;	2002/01/23 13:00
-	1	(pipe adj jack) and (pressure adj sensor)	DERWENT	2002/01/23 13:01
-	12549	drill adj string	USPAT;	2002/01/23 13:02
-	4777	break adj out	DERWENT	2002/01/23 13:02
-	228	(drill adj string) and (break adj out)	USPAT;	2002/01/23 13:02
-	691575	sensor	DERWENT	2002/01/23 13:03
-	31	((drill adj string) and (break adj out)) and	USPAT;	2002/01/23 13:08
-	2	sensor	DERWENT	2002/01/23 13:37
-	478	("5048793").PN.	USPAT;	2002/01/23 13:38
-	74	175/40.ccls.	DERWENT	2002/01/23 13:38
-	691575	sesnor	USPAT;	2002/01/23 13:38
-	231	sensor	DERWENT	2002/01/23 13:38
-	1275260	sensor and 175/40.ccls.	USPAT;	2002/01/23 13:41
-	5596	assembly	DERWENT	2002/01/23 13:42
-	5	(drill adj string) and assembly	USPAT;	2002/01/23 13:42
-	841	175/40.ccls. and (((drill adj string) and	DERWENT	2002/01/23 13:46
-	202	(break adj out)) and sensor)	USPAT;	2002/01/23 13:46
-	61	horizontal adj drilling	DERWENT	2002/01/23 13:47
-	102	((drill adj string) and assembly) and	USPAT;	2002/01/24 10:00
-	691575	(horizontal adj drilling) and sensor	DERWENT	2002/01/24 10:01
-	46	175/24.ccls.	USPAT;	2002/01/24 10:01
-	478	sensor	DERWENT	2002/01/24 10:01
-	411	175/40.ccls. and sensor	USPAT;	2002/01/24 10:02
-	231	175/85.ccls.	DERWENT	2002/01/24 10:02
-	23	175/40.ccls. and sensor	USPAT;	2002/01/24 10:02
-	841	175/85.ccls. and sensor	DERWENT	2002/01/24 10:28
-	10	horizontal adj drilling	USPAT;	2002/01/24 10:29
-	6	(175/40.ccls. and sensor) and (horizontal	DERWENT	2002/01/24 10:49
-	2	adj drilling)	USPAT;	2002/01/24 10:51
-	31638	drill adj rod adj loader	DERWENT	2002/01/24 10:54
-		drill adj string adj loader	USPAT;	2002/01/24 10:54
-		loader	DERWENT	2002/01/24 10:54

-	10	(horizontal adj drilling) and loader	USPAT; DERWENT	2002/01/24 10:56
-	5	sensor and ((horizontal adj drilling) and loader)	USPAT; DERWENT	2002/01/24 12:13
-	9752	drilling adj mud	USPAT; DERWENT	2002/01/24 12:14
-	691575	sensor	USPAT; DERWENT	2002/01/24 12:14
-	1129	(drilling adj mud) and sensor	USPAT; DERWENT	2002/01/24 12:14
-	478	175/40.ccls.	USPAT; DERWENT	2002/01/24 12:14
-	102	((drilling adj mud) and sensor) and 175/40.ccls.	USPAT; DERWENT	2002/01/24 12:15